

ABSTRACT

An antenna duplexer has a power durability to a signal input from an antenna terminal and has stable characteristics. The antenna duplexer includes an input terminal, a transmission filter including a surface acoustic wave (SAW) filter having an input port connected to the input terminal, a phase shifter having an input port connected to an output port of the transmission filter, a reception filter having an input port connected to an output port of the phase shifter, an output terminal connected to the output port of the reception filter, and an antenna terminal connected between the transmission filter and the phase shifter. The transmission filter has a power durability at the input terminal, being equal to or larger than a power durability at the antenna terminal.